

IN THE CLAIMS:

1. (Previously presented) An infusion system, comprising:
a housing having a generally flat bottom for positioning against a patient's skin; and
a connecting hub which is attachable to the housing, the connecting hub having an internal Y-shaped flow channel structure.
2. (Previously presented) The system of Claim 1, wherein the internal Y-shaped flow channel structure comprises:
a first flow channel adapted to connect to a proximal end of an infusion cannula;
a second flow channel adapted to connect to a distal end of an infusion delivery tube; and
a third flow channel which is covered by a septum, the first, second and third flow channels all intersecting within the connecting hub.
3. (Previously presented) The system of Claim 2, wherein the first flow channel exits from a distal end of the connecting hub.
4. (Previously presented) The system of Claim 2, wherein the second flow channel exits from a proximal end of the connecting hub.
5. (Previously presented) The system of Claim 2, wherein the third flow channel exits from a proximal end of the connecting hub.
6. (Previously presented) The system of Claim 2, further comprising:
an infusion cannula received into the distal end of the housing.
7. (Previously presented) The system of Claim 2, wherein the second flow channel is adapted to receive a distal end of the infusion delivery tube therein.

8. (Previously presented) The system of Claim 1, wherein the connecting hub is attached to a proximal end of the housing.

9. (Previously presented) The system of Claim 8, wherein the connecting hub is attached to the proximal end of the housing by a pair of fasteners.

10. (Previously presented) The system of Claim 9, wherein each fastener comprises a finger on one of the housing and connecting hub, and a cantilevered lever on the other of the housing and connecting hub.

11. (Previously presented) The system of Claim 2, wherein the connecting hub further comprises:

a hollow tube being received into the first flow channel and projecting from the distal end of the connecting hub, the hollow tube being dimensioned to be received within a channel passing through the housing.

12. (Previously presented) The system of Claim 11, where the channel passing through the housing is tapered.

13. (Previously presented) The system of Claim 2, wherein the volume of the third flow channel is less than 100 microliters.

14. (Previously presented) The system of Claim 1, further comprising:

at least one pin or bore on a distal end of the connecting hub, and at least the other of the pin or bore on a proximal end of the housing, the at least one pin being receivable into the at least one bore when the housing and the connecting hub are connected together.

15. (Previously presented) The system of Claim 4, further comprising:

an infusion delivery tube in fluid communication with the second flow channel.

16. (Previously presented) The system of Claim 15, wherein the infusion delivery tube is received into the second flow channel.

17. (Previously presented) A method of infusing two different medication streams into a target area/ tissue in a patient through a single subcutaneous pathway, comprising:

inserting a distal end of an infusion cannula into a target area / tissue, the infusion cannula being supported by a housing at its proximal end, the housing having a generally flat bottom for positioning against a patient's skin;

attaching a connecting hub to the housing, the connecting hub having an internal Y-shaped flow channel structure comprising first, second and third flow channels which intersect within the connecting hub;

introducing a first substance stream through a delivery tube and into the second flow channel; and

introducing a second substance stream through a septum and into the third flow channel, the second and third flow channels intersecting into the first flow channel such that the first and second substance streams pass together out of the first flow channel, passing into the patient through the housing and infusion cannula.

18. (Previously presented) The method of Claim 17, wherein the second substance stream is injected through the septum by a syringe.

19. (Previously presented) The method of Claim 17, further comprising:

disconnecting the connecting hub from the housing; and

attaching a plugging system to the housing while leaving the distal end of the infusion cannula within the patient.

20. (Previously presented) The system of Claim 1, further comprising:

a septum positioned within the housing.

21. (Previously presented) The system of Claim 20, further comprising:
a funnel shaped guide positioned at a proximal end of the septum.

22. (Canceled)

23. (Canceled)
